



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111020-C

Mode: Highway

Status: Submitted

US-401

From/Cross Street: NC 540

To: SR 1010 (Ten Ten Road)

Length: 0.82

Specific Improvement Type: 1 - Widen Existing Roadway

Project Category: Regional Impact

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,985,000

Description:

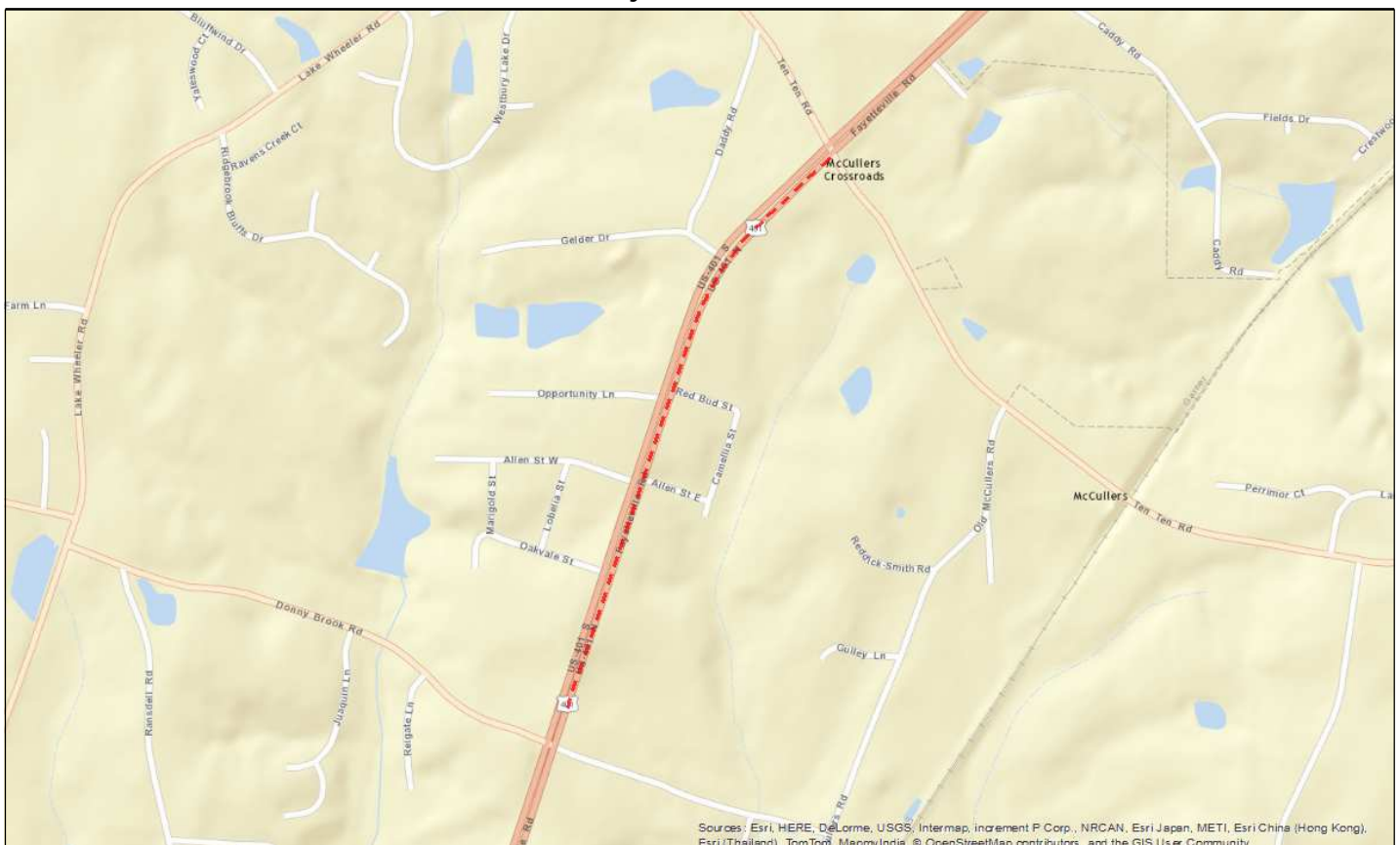
Widen Roadway to Six Lanes

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 63.12

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 71.08	Percent: 15%	Percent: 15%
Safety (10%) 88.67	Points: 88	Points: 88
[Travel Time] Benefit/Cost (25%) 4.99		
Accessibility / Connectivity (10%) 88.33		
Totals: Weight: 70% Weighted Score: 36.72		

Division Needs Total Score: 24.08

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 71.08	Percent: 25%	Percent: 25%
Safety (10%) 88.67	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 4.99		
Totals: Weight: 50% Weighted Score: 24.08		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	0.82
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	31000.16
Capacity:	31700.16
Volume/Capacity Ratio:	0.98
% Autos:	95%
% Trucks:	5%
Truck Volume:	1510.02
Crash Density:	99.75
Crash Severity:	66.54
Critical Crash Rate:	99.75
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	74
Actual Congested Speed:	41
Travel Time Index:	1.34

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	0.82
Facility Type:	Superstreet
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4443496.14
Travel Time Savings for 30 Years (Autos):	4227053.79
Travel Time Savings for 30 Years (Trucks):	216442.35
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	88	0
	0%	0	0
	0%	0	0
TOTAL Division Points		88	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	88	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		88	0

Project Cost and Source

Construction Cost:	\$7,718,000	Cost Estimation Tool
Right-of-Way Cost:	\$10,953,000	Cost Estimation Tool
Utilities Cost:	\$1,314,000	Cost Estimation Tool
Total Project Cost:	\$19,985,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$19,985,000	